Recombinant Mouse Medium-chain specific acyl-CoA dehydrogenase, mitochondrial (Acadm)

Product Code	CSB-MP001126MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P45952
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	KAAHK QEPGLGFSFE LTEQQKEFQA TARKFAREEI IPVAPEYDKS GEYPFPLIKR AWELGLINAH IPESCGGLGL GTFDACLITE ELAYGCTGVQ TAIEANSLGQ MPVILAGNDQ QKKKYLGRMT EQPMMCAYCV TEPSAGSDVA AIKTKAEKKG DEYVINGQKM WITNGGKANW YFLLARSNPD PKVPASKAFT GFIVEADTPG IHIGKKELNM GQRCSDTRGI AFEDVRVPKE NVLIGEGAGF KIAMGAFDRT RPTVAAGAVG LAQRALDEAT KYALDRKTFG KLLVEHQGVS FLLAEMAMKV ELARLSYQRA AWEVDSGRRN TYYASIAKAF AGDIANQLAT DAVQIFGGYG FNTEYPVEKL MRDAKIYQIY EGTAQIQRLI IAREHIEKYK N
Source	Mammalian cell
Target Names	Acadm
Protein Names	Recommended name: Medium-chain specific acyl-CoA dehydrogenase, mitochondrial Short name= MCAD EC= 1.3.99.3
Expression Region	26-421
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which can result in infantile death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.